1850MNRAS..11...15.

PETERSEN'S THIRD COMET.

CAMBRIDGE, U.S. (Professor Bond.)

1850.	Cambridge M.T.	R.A. Mean Eq. 1850·0.	No. of Obs.	Decl. Mean Eq. 1850·0.	No. of Obs.	Comp. Star.	
	h m s	h m s		° ′ ″			
May 29	11 30 7	17 46 9·6	1	+74 12 45	1	*a*	
	11 52 52	3·8	2	12 30	1	*b*	
31	9 30 0	17 32 52	1	74 3 0	1	Approximate.	
	9 47 53			3 11	1	*a*	
June 1	9 38 51	17 25 42·8	6	73 56 10	3	*c*	
	9 56 18	35·7	3	56 6	3	*b*	Instr. Comps.
3	10 5 14	17 10 50·4	2	73 36 21	2	*b*	Instr. Comps.
	10 5 14	44·1	2	36 18	2	*d*	
4	11 11 35	17 2 55·1	4	73 22 56	2	*e*	
	11 11 35	54·9	4	22 53	1	*f*	
6	9 40 45	16 48 7·3	4	72 52 5	3	*g*	
13	9 41 26	15 55 41·3	4			*h*	
	9 41 26	42·1	4			*i*	
	10 1 55			69 42 8	2	*h*	
	10 1 55			42 7	2	*i*	
19	9 4 26	15 16 36·2	6			*k*	
	9 8 29			64 58 44	3	*k*	
21	9 13 12	15 5 10·9	4	62 53 46	2	*l*	
26	9 44 18	14 40 9·7	6			*m*	
	10 7 52			56 19 11	2	*m*	
July 4	10 4 2	14 9 50·0	8	41 12 27	4	*n*	
6	10 9 45	14 2 42·4	14	36 33 14	3	*o*	
	11 36 48	31·2	6	24 14	2	*p*	
	11 36 48	31·5	6	24 14	2	*q*	
8	8 58 26	13 58 19·5	3	31 26 12	2	*r*	
	12 35 10	57 54·6	8	2 9	3	*s*	
9	8 53 4	13 55 42·1	8	28 45 39	5	*t*	
10	8 45 18	13 52 50·1	4	26 1 22	1	*u*	
	9 10 0	53 8·6	12	25 58 32	4	*v*	
17	8 48 41	13 38 5·4	12	+ 5 47 0	3	*w*	
22	8 45 29	13 29 26·5	4	− 7 54 57	4	*x*	
23	8 21 9	13 27 53·9	3	10 23 46	1	*y*	
	8 21 9	54·5	3	23 42	1	*z*	
	9 0 32	52·4	9	27 40	3	*α*	
24	8 39 30	13 26 22·9	4	12 51 44	1	*β*	
	9 6 23	20·6	8	54 33	2	*γ*	
25	8 58 5	13 24 54·0	4	−15 14 16	2	*δ*	
26	8 41 53	∗+ 1 21·62	6	∗+ 2 4·4	3	*ε*	
29	8 33 59	∗− 2 34·92	4	∗− 0 23·9	1	*ζ*	

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Mean Places of the Stars of Comparison.

1850.		R.A. h m s	Decl. ° ′ ″	
May 29	*a*	17 40 7·94	+74 5 21·7	H.C. 32630
	a	6·97	16·1	Arg. Zone, 126
	b	36 50·29	74 19 1·9	B.A.C. 6001
June 1	*c*	26 45·36	73 53 30·9	Determined July 23, from *c′*
	c′	40 38·90	73 54 51·4	Arg. Zone, 126
3	*d*	17 4 29·87	73 31 5·0	Gr. 2420, Radcliffe Obs.
4	*e*	16 59 17·55	73 21 10·2	B.A.C. 5769
4	*f*	17 3 34·24	73 24 12·0	Gr. 2481, Radcliffe Obs.
6	*g*	16 43 12·61	72 57 6·1	Arg. Zone, 126
13	*h*	15 59 32·23	69 38 38·9	Arg. Zone, 114
	i	59 54·48	69 39 18·9	Arg. Zone 114
19	*k*	17 41·44	65 2 38·1	Determined July 24, from *k′*
	k′	12 13·77	65 27 22·3	Arg. Zone 112
21	*l*	17 9·52	63 0 48·3	Gr. 2224, Radcliffe Obs.
26	*m*	14 35 4·76	56 20 57·3	Arg. Zone 5
July 4	*n*	10 21·24	41 5 58·9	B. Z. 472
6	*o*	2 6·12	36 38 11·4	B. Z. 416
	o	6·19	28·1	B. Z. 466
	o	5·97	21·7	Determined July 23, from *p* and *q*
	p	5 31·09	25 30·1	B. Z. 466
	q	14 6 46·41	36 25 29·1	B. Z. 416
	q	46·49	33·6	B. Z. 466
8	*r*	13 59 47·31	31 34 15·9	H. C. 25935
	s	56 10·83	31 3 17·6	H. C. 25828
9	*t*	56 25·73	28 43 39·3	B. Z. 471
10	*u*	54 18·37	26 5 12·8	B. Z. 462
	v	52 50·10	25 58 8·0	Compared with *u*
17	*w*	38 35·33	+ 5 52 17·5	H. C. 25380
	w	35·38	10·1	B. Z. 83
22	*x*	33 44·76	− 7 56 38·2	B.A.C. 4565
23	*y*	17 17·73	10 22 36·6	*α* Virginis
	z	25 54·85	10 22 59·0	Weisse, H. xiii. 430
	α	24 10·32	10 28 33·6	Weisse, H. xiii. 397
24	*β*	30 28·25	12 47 21·7	H. C. 25179
	β	28·38	24·4	Weisse, H. xiii. 520
	γ	24 49·94	13 1 43·7	Weisse, H. xiii. 412
25	*δ*	13 19 27·71	−15 11 43·0	B.A.C. 4494
26	*ε*	13 22 10	−17 32	Approximate
29	*ζ*	13 22 17	−23 41	———

"This comet has always presented a very decided stellar nucleus, a small star shining through the nebulosity."

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